

## WEST Search History

DATE: Monday, May 17, 2004

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
	<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>		
<input type="checkbox"/>	L8	L7 AND (REMOV\$ OR WASH\$)	81
<input type="checkbox"/>	L7	L4 AND MUTANT AND MODIFI\$	83
<input type="checkbox"/>	L6	L5 AND (REMOV\$ OR WASH\$)	102
<input type="checkbox"/>	L5	L4 AND (MUTANT OR MODIFI\$)	108
<input type="checkbox"/>	L4	SUBTILISIN WITH (STAIN OR BLOOD OR MILK)	155
<input type="checkbox"/>	L3	SUBTILISIN AND STAIN	1452

END OF SEARCH HISTORY

\$%^STN;Highlighton= \*\*\*;Highlightoff=\*\*\* ;

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NEWS 1 Web Page URLs for STN Seminar Schedule - N. America  
NEWS 2 "Ask CAS" for self-help around the clock  
NEWS 3 JAN 27 Source of Registration (SR) information in REGISTRY updated  
and searchable  
NEWS 4 JAN 27 A new search aid, the Company Name Thesaurus, available in  
CA/CAPLUS  
NEWS 5 FEB 05 German (DE) application and patent publication number format  
changes  
NEWS 6 MAR 03 MEDLINE and LMEADLINE reloaded  
NEWS 7 MAR 03 MEDLINE file segment of TOXCENTER reloaded  
NEWS 8 MAR 03 FRANCEPAT now available on STN  
NEWS 9 MAR 29 Pharmaceutical Substances (PS) now available on STN  
NEWS 10 MAR 29 WPIFV now available on STN  
NEWS 11 MAR 29 New monthly current-awareness alert (SDI) frequency in RAPRA  
NEWS 12 APR 26 PROMT: New display field available  
NEWS 13 APR 26 IFIPAT/IFIUDB/IFICDB: New super search and display field  
available  
NEWS 14 APR 26 LITALERT now available on STN  
NEWS 15 APR 27 NLDB: New search and display fields available  
NEWS 16 May 10 PROUSDDR now available on STN  
NEWS 17 May 19 PROUSDDR: One FREE connect hour, per account, in both May  
and June 2004  
NEWS 18 May 12 EXTEND option available in structure searching  
NEWS 19 May 12 Polymer links for the POLYLINK command completed in REGISTRY  
NEWS 20 May 17 FRFULL now available on STN  
  
NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004  
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NEWS LOGIN Welcome Banner and News Items  
NEWS PHONE Direct Dial and Telecommunication Network Access to STN  
NEWS WWW CAS World Wide Web Site (general information)

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=> S SUBTILISIN (5A)(STAIN OR BLOOD OR MILK)  
L1 95 SUBTILISIN (5A)(STAIN OR BLOOD OR MILK)

=> S L1 (10A) (MUTA? OR MODIFI?)  
10 FILES SEARCHED...  
L2 9 L1 (10A) (MUTA? OR MODIFI?)

=> DUP REM L2  
PROCESSING COMPLETED FOR L2  
L3 5 DUP REM L2 (4 DUPLICATES REMOVED)

=> D 1-5

L3 ANSWER 1 OF 5 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2004:363406 HCAPLUS  
TI Key Elements for Protein Foldability Revealed by a Combinatorial Approach  
among Similarly Folded but Distantly Related Proteins  
AU Morimoto, Sayuri; Tamura, Atsuo  
CS PRESTO Japan Science and Technology Corporation and Graduate School of  
Science and Technology, Kobe University, Kobe, 657-8501, Japan  
SO Biochemistry (2004), 43(21), 6596-6605  
CODEN: BICHAW; ISSN: 0006-2960  
PB American Chemical Society  
DT Journal  
LA English

L3 ANSWER 2 OF 5 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 1997:215621 HCAPLUS  
DN 126:216711  
TI subtilisin or polyethylene glycol-modified subtilisin linked to bases as  
antithrombotic medical materials  
IN Takakura, Koichi; Sato, Sachiko; Kyohara, Hozo; Inai, Koji  
PA Kuraray Co, Japan  
SO Jpn. Kokai Tokkyo Koho, 5 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	JP 09028790	A2	19970204	JP 1995-180000	19950717
PRAI	JP 1995-180000		19950717		

L3 ANSWER 3 OF 5 MEDLINE on STN DUPLICATE 1  
AN 97453385 MEDLINE  
DN PubMed ID: 9380649

TI [Purification of proteinases on bacitracin-modified silochromes with  
differing concentration of ligands and fragment lengths].  
Ochistka proteinaz na batsitratsin-silokhromakh s raznoi kontsentratsiei  
liganda i dlinoi fragmenta.  
AU Gaida A V; Orishchenko N V  
SO Prikladnaia biokhimiia i mikrobiologiya, (1997 Jul-Aug) 33 (4) 377-82.  
Journal code: 0023416. ISSN: 0555-1099.  
CY RUSSIA: Russian Federation  
DT Journal; Article; (JOURNAL ARTICLE)  
LA Russian  
FS Priority Journals  
EM 199711  
ED Entered STN: 19971224  
Last Updated on STN: 20000303  
Entered Medline: 19971104

L3 ANSWER 4 OF 5 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 2  
AN 97:567284 SCISEARCH  
GA The Genuine Article (R) Number: XM354  
TI Purification of proteases on bacitracin-modified silochromes with  
different ligand concentrations and arm lengths  
AU Gaida A V (Reprint); Orishchenko N V  
CS KIEV HEMATOL & BLOOD TRANSFUS RES INST, LVIV BRANCH, UA-290044 LVOV 44,  
UKRAINE  
CYA UKRAINE  
SO APPLIED BIOCHEMISTRY AND MICROBIOLOGY, (JUL-AUG 1997) Vol. 33, No. 4, pp.  
336-340.  
Publisher: MAIK NAUKA/INTERPERIODICA, C/O PLENUM/CONSULTANTS BUREAU 233  
SPRING ST, NEW YORK, NY 10013.  
ISSN: 0003-6838.  
DT Article; Journal  
LA English  
REC Reference Count: 5  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L3 ANSWER 5 OF 5 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 1989:547926 HCAPLUS  
DN 111:147926  
TI Engineering thermostability in subtilisin BPN' by in vitro mutagenesis  
AU Rollence, Michele L.; Filpula, David; Pantoliano, Michael W.; Bryan,  
Philip N.  
CS Dep. Biochem. Genet., Genex Corp., Gaithersburg, MD, 20877, USA  
SO Critical Reviews in Biotechnology (1988), 8(3), 217-24  
CODEN: CRBTE5; ISSN: 0738-8551  
DT Journal; General Review  
LA English

=> DUP REM L1  
PROCESSING COMPLETED FOR L1  
L4 66 DUP REM L1 (29 DUPLICATES REMOVED)

=> D 1-10

L4 ANSWER 1 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2004:351336 HCAPLUS  
DN 140:338331  
TI Fermented plant protein foods and protein coagulation method for their  
manufacture  
IN Yasuda, Masaaki; Iseki, Takeki; Sesoko, Masayasu; Kanegusuku, Masanao  
PA Ryukyu Cement Co., Ltd., Japan  
SO Jpn. Kokai Tokkyo Koho, 19 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004129523	A2	20040430	JP 2002-295365	20021008
PRAI	JP 2002-295365		20021008		

L4 ANSWER 2 OF 66 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN  
AN 2004-178126 [17] WPIDS  
CR 1999-288310 [24]; 1999-288311 [24]; 1999-302732 [25]; 1999-302743 [25];  
1999-326591 [27]; 2002-088852 [12]; 2003-147189 [14]; 2003-708429 [67];  
2003-874652 [81]; 2004-178650 [17]

DNC C2004-070524  
TI Producing a subtilisin variant, more effective than a precursor in a low or medium detergent concentration system comprises substituting an amino acid residue at one or more positions in a precursor subtilisin and testing the variant.  
DC D16 D25  
IN CALDWELL, R M; COLLIER, K D; KELLIS, J T; NADHERNY, J; NAKI, D P; PAECH, C; POULOSE, A J; SCHELLENBERGER, V  
PA (GEMV) GENENCOR INT INC  
CYC 1  
PI US 6673590 B1 20040106 (200417)\* 24 C12N009-54  
ADT US 6673590 B1 CIP of US 1997-956323 19971023, CIP of US 1997-956324 19971023, CIP of US 1997-956564 19971023, US 1998-177353 19981023  
PRAI US 1998-177353 19981023; US 1997-956323 19971023;  
US 1997-956324 19971023; US 1997-956564 19971023  
IC ICM C12N009-54  
ICS C11D003-386; C12N009-56; C12N015-57; C12N015-74

L4 ANSWER 3 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2004:363406 HCAPLUS  
TI Key Elements for Protein Foldability Revealed by a Combinatorial Approach among Similarly Folded but Distantly Related Proteins  
AU Morimoto, Sayuri; Tamura, Atsuo  
CS PRESTO Japan Science and Technology Corporation and Graduate School of Science and Technology, Kobe University, Kobe, 657-8501, Japan  
SO Biochemistry (2004), 43(21), 6596-6605  
CODEN: BICHAW; ISSN: 0006-2960  
PB American Chemical Society  
DT Journal  
LA English

L4 ANSWER 4 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2003:488640 HCAPLUS  
DN 139:65419  
TI Generation of bacterial subtilisin variants with improved characteristics for use in detergents  
IN Kettling, Ulrich; Koltermann, Andre; Kensch, Oliver; Kuhlemann, Rene; Haupts, Ulrich; Rarbach, Markus; Odenthal, Konrad  
PA Direvo Biotech AG, Germany  
SO Eur. Pat. Appl., 34 pp.  
CODEN: EPXXDW  
DT Patent  
LA English  
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1321513	A1	20030625	EP 2001-130636	20011221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
WO 2003054127	A2	20030703	WO 2002-EP14448	20021218
WO 2003054127	A3	20040304		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2003157645	A1	20030821	US 2002-324152	20021219
PRAI EP 2001-130636	A	20011221		
US 2001-343056P	P	20011221		

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 66 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 1  
AN 2003:810912 SCISEARCH  
GA The Genuine Article (R) Number: 720NL  
TI New antihypertensive peptides isolated from rapeseed  
AU Marczak E D; Usui H; Fujita H; Yang Y J; Yokoo M; Lipkowski A W; Yoshikawa M (Reprint)  
CS Kyoto Univ, Grad Sch Agr, Div Food Sci & Biotechnol, Uji, Kyoto 6110011, Japan (Reprint); Ind Chem Res Inst, Dept Biotechnol, PL-01793 Warsaw,

Poland; Nippon Supplement Inc, Osaka 5310076, Japan; So Yangtze Univ, Sch  
Food Sci & Technol, Wuxi, Peoples R China; Polish Acad Sci, Med Res Ctr,  
PL-00901 Warsaw, Poland  
Japan; Poland; Peoples R China  
PEPTIDES, (JUN 2003) Vol. 24, No. 6, pp. 791-798.  
Publisher: ELSEVIER SCIENCE INC, 360 PARK AVE SOUTH, NEW YORK, NY  
10010-1710 USA.  
ISSN: 0196-9781.  
Article; Journal  
English  
Reference Count: 23  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

ANSWER 6 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN  
2002:293829 HCAPLUS  
136:321289  
Subtilase variants with decreased sensitivity to trypsin inhibitors  
present in egg stains  
Norregaard-Madsen, Mads; Larsen, Line Bloch; Hansen, Peter Kamp  
Novozymes A/S, Den.  
PCT Int. Appl., 93 pp.  
CODEN: PIXXD2

Patent  
English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002031133	A1	20020418	WO 2001-DK667	20011012
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
AU 2002010379	A5	20020422	AU 2002-10379	20011012
US 2002155575	A1	20021024	US 2001-976414	20011012
EP 1326966	A1	20030716	EP 2001-978206	20011012
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR			
JP 2004511228	T2	20040415	JP 2002-534502	20011012
DK 2000-1528	A	20001013		
US 2000-241201P	P	20001017		
WO 2001-DK667	W	20011012		

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

ANSWER 7 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN  
2002:964939 HCAPLUS  
138:13612  
Partial proteolysis of milk to increase calcium bioavailability and  
resistance to acid coagulation  
Christensen, Jorge Florin; Florin, Elena; Harris, Joseph Ballif  
Argent.  
U.S. Pat. Appl. Publ., 12 pp.  
CODEN: USXXCO

Patent  
English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002192333	A1	20021219	US 2002-134205	20020426
US 2001-286694P	P	20010427		

ANSWER 8 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN  
2002:522519 HCAPLUS  
137:75558  
Helicobacter pylori antigens in blood  
Yi, Ching Sui A.; Hung, Chung-ho  
USA  
U.S. Pat. Appl. Publ., 13 pp., Cont.-in-part of U.S. Ser. No. 572,598.  
CODEN: USXXCO

Patent  
English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002090660	A1	20020711	US 2002-41510	20020110
PRAI	US 1999-170537P	P	19991214		
	US 2000-572598	A2	20000517		

L4 ANSWER 9 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2001:693480 HCAPLUS  
 DN 135:274599  
 TI Subtilase enzyme having an improved wash performance on egg stains  
 IN Mikkelsen, Frank; Fano, Tina Sejersgaard; Madsen, Mads Noerregaard;  
 Hansen, Line Bloch; Hansen, Peter Kamp  
 PA Novozymes A/S, Den.  
 SO PCT Int. Appl., 84 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001068821	A2	20010920	WO 2001-DK163	20010312
	WO 2001068821	A3	20020404		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	EP 1272623	A2	20030108	EP 2001-913739	20010312
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	JP 2003526363	T2	20030909	JP 2001-567305	20010312
PRAI	DK 2000-405	A	20000314		
	WO 2001-DK163	W	20010312		

L4 ANSWER 10 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2001:472773 HCAPLUS  
 DN 135:72179  
 TI Protein and cDNA of a human subtilisin 10 and therapeutic use thereof  
 IN Mao, Yumin; Xie, Yi  
 PA Fudan University, Peop. Rep. China; Shanghai Bio Door Gene Technology Ltd.  
 SO PCT Int. Appl., 35 pp.  
 CODEN: PIXXD2

DT Patent  
 LA Chinese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001046249	A1	20010628	WO 2000-CN567	20001211
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	CN 1300849	A	20010627	CN 1999-125655	19991221
PRAI	CN 1999-125655	A	19991221		

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=&gt; D 11-20

L4 ANSWER 11 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 2001:453855 HCAPLUS  
 DN 135:163805  
 TI Suitability of animals' purified milk caseins and their subunit .kappa.-caseins as substrates for subtilisin and trypsin  
 AU Dogru, Mehmet; Baysal, Zubeyde; Aytekin, Cetin

CS Faculty of Art and Science, Department of Chemistry, Dicle University,  
Diyarbakir, Turk.  
SO Preparative Biochemistry & Biotechnology (2001), 31(2), 147-154  
CODEN: PBBIF4; ISSN: 1082-6068  
PB Marcel Dekker, Inc.  
DT Journal  
LA English  
RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 12 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2000:810899 HCAPLUS  
DN 133:349267  
TI Bacterial proteinase and soybean- \*\*\*milk\*\*\* coagulating action.  
Application of \*\*\*subtilisin\*\*\* produced by Bacillus pumilus to food  
processing  
AU Yasuda, Masaaki; Aoyama, Misako  
CS Fac. Agric., Univ. of The Ryukyus, Japan  
SO Kagaku to Seibutsu (2000), 38(11), 710-712  
CODEN: KASEAA; ISSN: 0453-073X  
PB Gakkai Shuppan Senta  
DT Journal; General Review  
LA Japanese

L4 ANSWER 13 OF 66 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 2  
AN 1998:588207 SCISEARCH  
GA The Genuine Article (R) Number: 104NP  
TI The inhibition of extracellular proteinases from Aphanomyces spp by three  
different proteinase inhibitors from crayfish blood  
AU DieguezUribeondo J (Reprint); Cerenius L  
CS UNIV ZARAGOZA, DEPT ANIM PATHOL, C MIGUEL SERVET 177, E-50013 ZARAGOZA,  
SPAIN (Reprint); UNIV UPPSALA, DEPT PHYSIOL BOT, S-75236 UPPSALA, SWEDEN  
CYA SPAIN; SWEDEN  
SO MYCOLOGICAL RESEARCH, (JUL 1998) Vol. 102, Part 7, pp. 820-824.  
Publisher: CAMBRIDGE UNIV PRESS, 40 WEST 20TH STREET, NEW YORK, NY  
10011-4211.  
ISSN: 0953-7562.  
DT Article; Journal  
FS AGRI  
LA English  
REC Reference Count: 33  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L4 ANSWER 14 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 2000:48317 HCAPLUS  
DN 132:333422  
TI Additional digestion of hydrolysates from milk proteins by Lactobacillus  
LBL-4 aminopeptidase  
AU Tchorbanov, B. P.; Grozeva, L.  
CS Inst. Organic CHEM. Centre Phytochemistry, Bulgarian Acad. Sci., Sofia,  
1113, Bulg.  
SO Nauchni Trudove - Vissh Institut po Khranitelna i Vkusova Promishlenost,  
Plovdiv (1998), 43, 249-254  
CODEN: NTKVAH; ISSN: 0477-0250  
PB Vissh Institut po Khranitelna i Vkusova Promishlenost  
DT Journal  
LA Bulgarian

L4 ANSWER 15 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 1997:215621 HCAPLUS  
DN 126:216711  
TI subtilisin or polyethylene glycol-modified subtilisin linked to bases as  
antithrombotic medical materials  
IN Takakura, Koichi; Sato, Sachiko; Kyohara, Hozo; Inai, Koji  
PA Kuraray Co, Japan  
SO Jpn. Kokai Tokkyo Koho, 5 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09028790	A2	19970204	JP 1995-180000	19950717
PRAI	JP 1995-180000		19950717		

L4 ANSWER 16 OF 66 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN



AN 1997-415478 [38] WPIDS  
DNN N1997-346173 DNC C1997-133095  
TI Biosensor for detecting enzymes - especially prostate specific antigen,  
used as diagnostic marker for prostate cancer.  
DC B04 D16 S03  
IN BRAACH-MAKSVYTIS, V L B; CORNELL, B A; RAGUSE, B; THOMSON, D G;  
BRAACHMAKSVYTIS, V L B  
PA (AUME-N) AUSTRALIAN MEMBRANE & BIOTECHNOLOGY INST; (UNSY) UNIV SYDNEY  
CYC 76  
PI WO 9729366 A1 19970814 (199738)\* EN 32 G01N027-327  
RW: AT BE CH DE DK EA ES FI FR GB GR IE IT KE LS LU MC MW NL OA PT SD  
SE SZ UG  
W: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE  
HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX  
NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG US UZ VN YU  
AU 9715851 A 19970828 (199750) G01N027-327  
EP 879412 A1 19981125 (199851) EN G01N027-327  
R: AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE  
AU 708021 B 19990729 (199941) G01N027-327  
JP 2000509140 W 20000718 (200037) 30 G01N027-02  
US 6348319 B1 20020219 (200221) G01N033-573  
ADT WO 9729366 A1 WO 1997-AU71 19970210; AU 9715851 A AU 1997-15851 19970210;  
EP 879412 A1 EP 1997-902105 19970210, WO 1997-AU71 19970210; AU 708021 B  
AU 1997-15851 19970210; JP 2000509140 W JP 1997-527995 19970210, WO  
1997-AU71 19970210; US 6348319 B1 Provisional US 1996-11314P 19960208, WO  
1997-AU71 19970210, US 1998-125068 19981110  
FDT AU 9715851 A Based on WO 9729366; EP 879412 A1 Based on WO 9729366; AU  
708021 B Previous Publ. AU 9715851, Based on WO 9729366; JP 2000509140 W  
Based on WO 9729366; US 6348319 B1 Based on WO 9729366  
PRAI US 1996-11314P 19960208; US 1998-125068 19981110  
IC ICM G01N027-02; G01N027-327; G01N033-573  
ICS G01N027-12; G01N027-333; G01N027-416; G01N033-483; G01N033-50;  
G01N033-574; G01N033-68; G01N033-96

L4 ANSWER 17 OF 66 MEDLINE on STN DUPLICATE 3  
AN 97453385 MEDLINE  
DN PubMed ID: 9380649  
TI [Purification of proteinases on bacitracin-modified silochromes with  
differing concentration of ligands and fragment lengths].  
Ochistka proteinaz na batsitratsin-silokhromakh s raznoi kontsentratsiei  
liganda i dlinoi fragmenta.  
AU Gaïda A V; Orishchenko N V  
SO Prikladnaïa biokhimiia i mikrobiologiia, (1997 Jul-Aug) 33 (4) 377-82.  
Journal code: 0023416. ISSN: 0555-1099.  
CY RUSSIA: Russian Federation  
DT Journal; Article; (JOURNAL ARTICLE)  
LA Russian  
FS Priority Journals  
EM 199711  
ED Entered STN: 19971224  
Last Updated on STN: 20000303  
Entered Medline: 19971104

L4 ANSWER 18 OF 66 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 4  
AN 97:567284 SCISEARCH  
GA The Genuine Article (R) Number: XM354  
TI Purification of proteases on bacitracin-modified silochromes with  
different ligand concentrations and arm lengths  
AU Gaïda A V (Reprint); Orishchenko N V  
CS KIEV HEMATOL & BLOOD TRANSFUS RES INST, LVIV BRANCH, UA-290044 LVOV 44,  
UKRAINE  
CYA UKRAINE  
SO APPLIED BIOCHEMISTRY AND MICROBIOLOGY, (JUL-AUG 1997) Vol. 33, No. 4, pp.  
336-340.  
Publisher: MAIK NAUKA/INTERPERIODICA, C/O PLENUM/CONSULTANTS BUREAU 233  
SPRING ST, NEW YORK, NY 10013.  
ISSN: 0003-6838.  
DT Article; Journal  
LA English  
REC Reference Count: 5  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L4 ANSWER 19 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 1998:6726 HCAPLUS  
DN 128:125182  
TI Proteolytic activity of commercial subtilisin from genus Bacillus on some

animals milk caseins  
 AU Aytekin, Cetin; Kaya, Zubeyde; Dogru, Mehmet  
 CS Faculty of Art and Science, Department of Biochemistry, Dicle University,  
 Diyarbakir, 21280, Turk.  
 SO Biochemical Archives (1997), 13(4), 229-236  
 CODEN: BIAREM; ISSN: 0749-5331  
 PB MBR Press, Inc.  
 DT Journal  
 LA English  
 RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 20 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1997:296 HCAPLUS  
 DN 126:33503  
 TI Subtilisin variants for use in detergent compositions  
 IN Klugkist, Jan; Markvardsen, Peter; Von Der Osten, Claus; Sierkstra,  
 Laurens Nicolaas; Bauditz, Peter  
 PA Unilever N.V., Neth.; Unilever Plc  
 SO PCT Int. Appl., 72 pp.  
 CODEN: PIXXD2

DT Patent  
 LA English

FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9634935	A2	19961107	WO 1996-EP1610	19960412
	WO 9634935	A3	19970116		
	W:		AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI		
	RW:		KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML		
	CA 2217162	AA	19961107	CA 1996-2217162	19960412
	AU 9656465	A1	19961121	AU 1996-56465	19960412
	EP 827531	A2	19980311	EP 1996-913508	19960412
	R:		DE, ES, FR, GB, IT		
	BR 9608126	A	19990209	BR 1996-8126	19960412
	JP 11505275	T2	19990518	JP 1996-532961	19960412
	PL 184399	B1	20021031	PL 1996-323188	19960412
	ZA 9603567	A	19971106	ZA 1996-3567	19960506
	US 5837517	A	19981117	US 1996-642987	19960506
	US 6190900	B1	20010220	US 1998-120577	19980722
	US 6682924	B1	20040127	US 2000-587747	20000605
	US 2004023355	A1	20040205	US 2003-618934	20030714
PRAI	EP 1995-201161	A	19950505		
	DK 1995-519	A	19950505		
	DK 1996-421	A	19960412		
	WO 1996-EP1610	W	19960412		
	US 1996-642987	A1	19960506		
	US 1998-120577	A1	19980722		
	US 2000-587747	A1	20000605		

=> D 21-30

L4 ANSWER 21 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN  
 AN 1996:388460 HCAPLUS  
 DN 125:56880  
 TI Production of milk protein hydrolyzate using Bacillus and Aspergillus  
 proteases for use as mother's milk substitutes and in dietetic foods  
 IN Nielsen, Per Munk  
 PA Novo Nordisk A/s, Den.  
 SO PCT Int. Appl., 16 pp.  
 CODEN: PIXXD2

DT Patent  
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9613174	A1	19960509	WO 1995-DK426	19951026
	W:		AL, AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK		

RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE,  
IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR,  
NE, SN, TD, TG

AU 9538015 A1 19960523 AU 1995-38015 19951026  
AU 695395 B2 19980813  
EP 785726 A1 19970730 EP 1995-935864 19951026  
EP 785726 B1 20040107

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE

JP 10507641 T2 19980728 JP 1996-514261 19951026  
AT 257329 E 20040115 AT 1995-935864 19951026

PRAI DK 1994-1239 A 19941026  
WO 1995-DK426 W 19951026

L4 ANSWER 22 OF 66 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.  
on STN DUPLICATE 5

AN 96140237 EMBASE  
DN 1996140237

TI Immobilization of potent fibrinolytic serine protease from Bacillus  
subtilis CIR110 onto polymer surfaces and their antithrombogenicity.

AU Satoh S.; Inai K.; Takakura K.

CS Research Institute of Technology, Okayama University of Science, 401-1,  
Seki, Okayama 703, Japan

SO Japanese Journal of Artificial Organs, (1996) 25/1 (180-186).

ISSN: 0300-0818 CODEN: JNZKA7

CY Japan

DT Journal; Article

FS 025 Hematology

037 Drug Literature Index

LA Japanese

SL English; Japanese

L4 ANSWER 23 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN

AN 1995:519053 HCAPLUS

DN 122:248432

TI \*\*\*blood\*\*\* -compatible \*\*\*subtilisin\*\*\* -immobilized materials for  
medical use

IN Inai, Koji; Nakaji, Shuhei; Takakura, Koichi; Sato, Sachiko; Johara, Hozo

PA Kuraray Co, Japan

SO Jpn. Kokai Tokkyo Koho, 5 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 07059842	A2	19950307	JP 1993-211453	19930826
PRAI	JP 1993-211453		19930826		

L4 ANSWER 24 OF 66 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN DUPLICATE 6

AN 94:459003 SCISEARCH

GA The Genuine Article (R) Number: NY149

TI PURIFICATION AND CDNA CLONING OF A 4-DOMAIN KAZAL PROTEINASE-INHIBITOR  
FROM CRAYFISH BLOOD-CELLS

AU JOHANSSON M W (Reprint); KEYSER P; SODERHALL K

CS UNIV UPPSALA, DEPT PHYSIOL BOTANY, VILLAVAGEN 6, S-75236 UPPSALA, SWEDEN  
(Reprint)

CYA SWEDEN

SO EUROPEAN JOURNAL OF BIOCHEMISTRY, (15 JUL 1994) Vol. 223, No. 2, pp.  
389-394.

ISSN: 0014-2956.

DT Article; Journal

FS LIFE

LA ENGLISH

REC Reference Count: 43

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L4 ANSWER 25 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN

AN 1993:511978 HCAPLUS

DN 119:111978

TI Substrate phage: selection of protease substrates by monovalent phage  
display

AU Matthews, David J.; Wells, James A.

CS Dep. Protein Eng., Genentech, South San Francisco, CA, 94080, USA

SO Science (Washington, DC, United States) (1993), 260(5111), 1113-17

CODEN: SCIEAS; ISSN: 0036-8075

DT Journal

LA English

L4 ANSWER 26 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 1993:445528 HCAPLUS  
DN 119:45528  
TI In vitro phenoloxidase activity in the blood of Ciona intestinalis and other ascidians  
AU Jackson, Alan D.; Smith, Valerie J.; Peddie, Clare M.  
CS Gatty Mar. Lab., Univ. St. Andrews, St. Andrews/Fife, KY16 8LB, UK  
SO Developmental & Comparative Immunology (1993), 17(2), 97-108  
CODEN: DCIMDQ; ISSN: 0145-305X  
DT Journal  
LA English

L4 ANSWER 27 OF 66 MEDLINE on STN DUPLICATE 7  
AN 93235033 MEDLINE  
DN PubMed ID: 8475365  
TI Determination of chromium in blood and serum: evaluation of quality control procedures and estimation of reference values in Danish subjects.  
AU Christensen J M; Holst E; Bonde J P; Knudsen L  
CS Danish National Institute of Occupational Health, Copenhagen.  
SO Science of the total environment, (1993 Apr 15) 132 (1) 11-25.  
Journal code: 0330500. ISSN: 0048-9697.  
CY Netherlands  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199305  
ED Entered STN: 19930604  
Last Updated on STN: 19970203  
Entered Medline: 19930520

L4 ANSWER 28 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 1992:549275 HCAPLUS  
DN 117:149275  
TI Proteins with changed epitopes for reduced immunogenicity, and methods for the production thereof  
IN Loevborg, Uffe  
PA Novo Nordisk A/S, Den.  
SO PCT Int. Appl., 44 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9210755	A1	19920625	WO 1991-DK382	19911205
	W: AU, BG, BR, CA, CS, FI, HU, JP, KP, KR, NO, PL, RO, SU, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE				
	CA 2095852	AA	19920606	CA 1991-2095852	19911205
	CA 2095852	C	20010508		
	AU 9190528	A1	19920708	AU 1991-90528	19911205
	EP 561907	A1	19930929	EP 1992-900779	19911205
	EP 561907	B1	19980902		
	R: AT, BE, DE, DK, FR, GB, IT, LU, MC, NL, SE				
	BR 9107206	A	19931103	BR 1991-7206	19911205
	JP 06502994	T2	19940407	JP 1992-501641	19911205
	JP 3355186	B2	20021209		
	AT 170630	E	19980915	AT 1992-900779	19911205
	JP 2002101880	A2	20020409	JP 2001-215943	19911205
	JP 3450840	B2	20030929		
	JP 2003174871	A2	20030624	JP 2002-352804	19911205
	US 5766898	A	19980616	US 1994-346590	19941129
PRAI	EP 1990-610072	A	19901205		
	JP 1992-501641	A3	19911205		
	JP 2001-215943	A3	19911205		
	WO 1991-DK382	A	19911205		
	US 1993-50172	B1	19930416		

L4 ANSWER 29 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 1992:594063 HCAPLUS  
DN 117:194063  
TI Detergent compositions containing alkyl sulfate and subtilisin or subtilisin variants  
IN Lindegaard, Poul; Aaslyng, Dorrit Anita  
PA Novo Nordisk A/S, Den.

SO PCT Int. Appl., 17 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9208778	A1	19920529	WO 1991-DK342	19911114
	W: BR, CA, FI, JP, KR, SU, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
	CA 2095853	AA	19920515	CA 1991-2095853	19911114
	EP 557377	A1	19930901	EP 1991-920279	19911114
	EP 557377	B1	19960313		
	EP 557377	B2	20001025		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	JP 06501509	T2	19940217	JP 1992-500018	19911114
	BR 9107020	A	19940503	BR 1991-7020	19911114
	AT 135395	E	19960315	AT 1991-920279	19911114
	RU 2108373	C1	19980410	RU 1993-34456	19911114
	US 5389307	A	19950214	US 1993-39042	19930406
PRAI	DK 1990-2714	A	19901114		
	WO 1991-DK342	W	19911114		

L4 ANSWER 30 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN

AN 1993:123366 HCAPLUS

DN 118:123366

TI Allergen-free milk products

IN Maruyama, Tetsuhiko; Yonekubo, Akinari; Kaneko, Tetsuo

PA Meiji Milk Products Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 04341140	A2	19921127	JP 1991-139426	19910516
PRAI	JP 1991-139426		19910516		

=> D 31-40

L4 ANSWER 31 OF 66 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN

AN 1991-09584 BIOTECHDS

TI Preparation of dust-free enzyme particles;

e.g. \*\*\*milk\*\*\* -clotting enzyme, \*\*\*subtilisin\*\*\*, cellulase  
or lipase dust-free particle production by spraying fermentation broth  
onto particulate, hydratable core, evaporating liquid and coating

PA Genencor

PI WO 9106638 16 May 1991

AI WO 1990-US6290 30 Oct 1990

PRAI US 1989-429881 31 Oct 1989

DT Patent

LA English

OS WPI: 1991-164188 [22]

L4 ANSWER 32 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN

AN 1991:116313 HCAPLUS

DN 114:116313

TI Prochymosin expression in Bacillus subtilis

AU Parente, Dino; De Ferra, Francesca; Galli, Giuliano; Grandi, Guido

CS Genet. Eng. Microbiol. Lab., Eniricerche S.p.A., Milan, 20097, Italy

SO FEMS Microbiology Letters (1991), 77(2-3), 243-9

CODEN: FMLED7; ISSN: 0378-1097

DT Journal

LA English

L4 ANSWER 33 OF 66 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

AN 1992:143872 BIOSIS

DN PREV199293078097; BA93:78097

TI PROPERTIES OF HEMOLYSIN PRODUCED BY BETA-HEMOLYTIC STREPTOCOCCUS-SP  
ISOLATED FROM YELLOWTAIL SERIOLA-QUINQUERADIATA.

AU KAWAHARA E [Reprint author]; SAKO H; NOMURA S; KUSUDA R

CS LAB AQUATIC MICROBIOL, SCH FISH SCI, KITASATO UNIV, SANRIKU, KESEN IWATE

022-01, JPN

SO Fish Pathology, (1991) vol. 26, No. 4, pp. 177-182.

CODEN: GYKEDT. ISSN: 0388-788X.  
DT Article  
FS BA  
LA ENGLISH  
ED Entered STN: 12 Mar 1992  
Last Updated on STN: 13 Mar 1992

L4 ANSWER 34 OF 66 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN  
AN 91:305747 SCISEARCH  
GA The Genuine Article (R) Number: FM710  
TI SUBTILISIN - COMMERCIALY RELEVANT MODEL FOR LARGE-SCALE ENZYME-PRODUCTION  
AU CRABB W D (Reprint)  
CS GENENCOR INT INC, DEPT MOLEC BIOL, 180 KIMBALL WAY, S SAN FRANCISCO, CA,  
94080 (Reprint)  
CYA USA  
SO ACS SYMPOSIUM SERIES, (1991) Vol. 460, pp. 82-94.  
DT Article; Journal  
LA ENGLISH  
REC Reference Count: 16  
\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

L4 ANSWER 35 OF 66 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 1990-10231 BIOTECHDS  
TI Subtilisin: a commercially relevant model for large-scale enzyme  
production;  
Bacillus amyloliquefaciens gene cloning, expression and site-directed  
mutagenesis; enzyme engineering (conference abstract)  
AU Crabb W D  
CS Genencor  
LO Genencor, Inc., 180 Kimball Way, South San Francisco, CA 94080, USA.  
SO Abstr.Pap.Am.Chem.Soc.; (1990) 199 Meet., Pt.1, CELL22  
CODEN: ACSRAL  
DT Journal  
LA English

L4 ANSWER 36 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 1990:196916 HCAPLUS  
DN 112:196916  
TI Protease coagulation of soymilk protein for foods  
IN Kiuchi, Hiroshi; Murata, Katsumi; Murakami, Kazuo; Kusakabe, Isao;  
Kobayashi, Hideyuki  
PA Kibun Co., Ltd., Japan; Kibun Food Chemifa Co., Ltd.  
SO U.S., 4 pp. Cont. of U.S. Ser. No. 32,462, abandoned.  
CODEN: USXXAM  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4877622	A	19891031	US 1989-298287	19890113
	JP 62232340	A2	19871012	JP 1986-74170	19860402
	JP 03065745	B4	19911014		
	CA 1328766	A1	19940426	CA 1987-533526	19870401
PRAI	JP 1986-74170		19860402		
	US 1987-32462		19870331		

L4 ANSWER 37 OF 66 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN  
AN 1990-09064 BIOTECHDS  
TI Cloning and expression of the gene encoding a novel proteinase from  
Tritirachium album Limber;  
new thermostable protease-T isolation, expression in Escherichia coli;  
DNA sequence and protein sequence homology with protease-K  
AU Samal B B; Karan B; Boone T C; Chen K K; Rohde M F; Stabinsky Y  
CS Amgen  
LO Department 221, Bldg 5, Amgen Inc., 1900 Oak Terrace Lane, Thousand Oaks,  
CA 91320, USA.  
SO Gene; (1989) 85, 2, 329-33  
CODEN: GENED6  
DT Journal  
LA English

L4 ANSWER 38 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 1989:422309 HCAPLUS  
DN 111:22309  
TI Investigation of functional properties of partially hydrolyzed proteins  
AU Mietsch, F.; Feher, J.; Halasz, Anna

CS Cent. Res. Inst. Food Ind., Budapest, 1022, Hung.  
SO Nahrung (1989), 33(1), 9-15  
CODEN: NAHRAR; ISSN: 0027-769X  
DT Journal  
LA English

L4 ANSWER 39 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 1989:56288 HCAPLUS  
DN 110:56288  
TI Production technology of soy milk. Note II  
AU Lanzani, A.; Bondioli, P.; Manganiello, B.; Cardillo, M.; Fedeli, E.  
CS Staz. Sper. Ind. Oli Dei Grassi, Milan, Italy  
SO Rivista Italiana delle Sostanze Grasse (1988), 65(4), 267-70  
CODEN: RISGAD; ISSN: 0035-6808  
DT Journal  
LA Italian

L4 ANSWER 40 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 1989:547926 HCAPLUS  
DN 111:147926  
TI Engineering thermostability in subtilisin BPN' by in vitro mutagenesis  
AU Rollence, Michele L.; Filpula, David; Pantoliano, Michael W.; Bryan, Philip N.  
CS Dep. Biochem. Genet., Genex Corp., Gaithersburg, MD, 20877, USA  
SO Critical Reviews in Biotechnology (1988), 8(3), 217-24  
CODEN: CRBTE5; ISSN: 0738-8551  
DT Journal; General Review  
LA English

=> D 41-50

L4 ANSWER 41 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 1987:601013 HCAPLUS  
DN 107:201013  
TI Protein stain-removing compositions  
IN Lad, Pushkaraj J.  
PA Genencor, Inc., USA  
SO Eur. Pat. Appl., 11 pp.  
CODEN: EPXXDW  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 233721	A2	19870826	EP 1987-300845	19870130
	EP 233721	A3	19880831		
	R: CH, DE, FR, GB, IT, LI, NL, SE				
	AU 8768701	A1	19870813	AU 1987-68701	19870211
	DK 8700710	A	19870813	DK 1987-710	19870212
	JP 62265398	A2	19871118	JP 1987-30643	19870212
PRAI	US 1986-828773		19860212		
	US 1986-885224		19860714		

L4 ANSWER 42 OF 66 HCAPLUS COPYRIGHT 2004 ACS on STN  
AN 1989:111316 HCAPLUS  
DN 110:111316  
TI Method and reagent containing bilirubin oxidase and subtilisin for determination of bilirubin in body fluids  
IN Kruse-Mueller, Cornelia; Siedel, Joachim; Ziegenhorn, Joachim  
PA Boehringer Mannheim G.m.b.H., Fed. Rep. Ger.  
SO Ger. Offen., 6 pp.  
CODEN: GWXXBX  
DT Patent  
LA German  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3608453	A1	19870917	DE 1986-3608453	19860314
	US 4895799	A	19900123	US 1987-17662	19870224
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